

SURFACE-MOUNTING TYPE DEVICE AND LIGHT EMITTING DEVICE OR LIGHT RECEIVING DEVICE USING THE DEVICE

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Abstract

PROBLEM TO BE SOLVED: To provide a surface-mounting type device which is a small-sized light emitting or light receiving device having no such a portion that is protruded outward from a molded section and the light emitting layer of which is not exposed, but molded with a resin, etc.
SOLUTION: A surface-mounting type device is provided with an element 2 having an LED light emitting layer between a first electrode 4 and a second electrode 5 faced to the first electrode 4 and an insulating resin layer 3 which covers the whole side face of the element 2 and the bottom face of the element 2 is covered with the first electrode 4 through a p-electrode formed in the element 2. The top face of the element 2 is covered with the second electrode 5 which is connected to the LED light emitting layer exposed by removing the substrate of the element 2 and an insulating material layer 6. Light can be taken out effectively from the insulating material layer 6.

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